

What is claimed is:

1. A hand-held jigsaw machine with a machine housing (11), a saw blade (13) that is drivable in a reciprocating motion by a motor and that includes a sawtooth strip (131) and a saw blade back (132) diametrically opposed thereto, with a support device (20) with a support roller (23) that supports the saw blade on its back (132), a holder (22) that is fixed to the housing (11) and accommodates the support roller (23) between two arms (222, 223), and a guide device (21) for guiding and supporting the saw blade (13) transversely to the saw direction and that includes guide elements (24, 25) located on opposite sides of the saw blade (13) at an adjustable distance from each other, wherein

the guide device (21) is integrated in the holder (22) of the support device (20).

2. The hand-held jigsaw as recited in Claim 1,

wherein

the guide elements (24, 25) are designed as guide disks (26, 27) that have an outer diameter that is greater than the outer diameter of the support roller (23) and enclose the support roller (23) between them.

3. The hand-held jigsaw as recited in Claim 2,

wherein

one of the guide disks (26) is designed integral with the support roller (23) and the other guide disk (27) is located such that it is axially displaceable on the support roller (23).

4. The hand-held jigsaw machine as recited in Claim 2 or 3,

wherein

the guide device (21) includes a displacement member (28) for axially displacing the guide disks (26, 27), and wherein the displacement member (28) is coupled with a manual actuating member (29).

5. The hand-held jigsaw machine as recited in Claim 4,

wherein

the displacement member (28) has two identical displacement disks (30, 31), the axial

width of which varies across the circumference, wherein one displacement disk (30, 31) each is located between a guide disk (26, 27) and an arm (222, 223) of the holder (22), and wherein a compression spring (37) is located in the interior of support roller (23) that bears against the two guide disks (26, 27) and presses against the displacement disks (30, 31).

6. The jigsaw machine as recited in Claim 5,

wherein

the support roller (23) and the guide disks (26, 27) are mounted on a shaft (32) that is rotatably accommodated in the arms (222, 223) of holder (22), and wherein the displacement disks (30, 31) and the actuating member (29) are rotatably located on the shaft (32).

7. The hand-held jigsaw machine as recited in one of the Claims 4 through 6,

wherein

the actuating member (29) is designed as rotary knob (33).

8. The hand-held jigsaw machine as recited in Claim 6 or 7,

wherein

the guide device (21) includes a locking member (38) for fixing the shaft (32) in its particular rotary position.